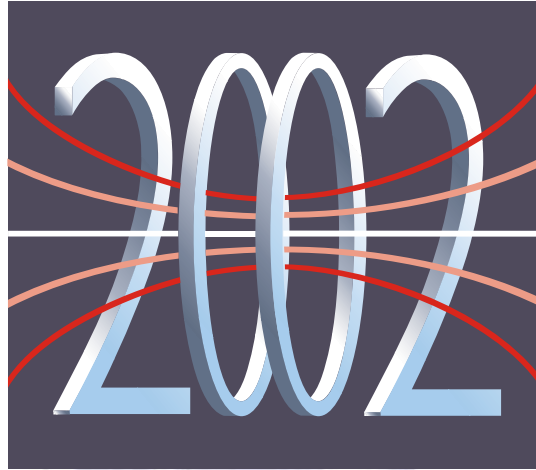


# BIOMAG



13th International  
Conference on Biomagnetism

**Jena, Germany**

August 10-14, 2002



## Important Dates / Deadlines

<b>Abstract (250 words) submission</b>	<b>April 1, 2002</b>
<b>Notification of acceptance</b>	<b>April 15, 2002</b>
<b>Proceedings paper (3 pages) submission</b>	<b>May 20, 2002</b>
<b>Early registration</b>	<b>June 1, 2002</b>
<b>Late registration</b>	<b>July 31, 2002</b>
<b>Reduced hotel rates</b>	<b>July 10, 2002</b>

## Topics

Forward and inverse problem, modeling  
Signal analysis  
Instrumentation  
Magnetoencephalography: basic research and clinical application  
Magnetocardiography: basic research and clinical application  
Fetal biomagnetism  
Multimodal imaging  
Other biomagnetic applications  
Special topic: Transcranial magnetic stimulation

## Contact Address

University Hospital Jena  
Dept. for Neurology  
**Biomagnetic Center**  
Dr. Jens Haueisen  
Philosophenweg 3  
D-07743 Jena  
Germany

Internet: <http://biomag2002.uni-jena.de>  
E-mail: [biomag2002@uni-jena.de](mailto:biomag2002@uni-jena.de)  
Fax: +49-3641-935355  
Phone: +49-3641-935353





# Welcome

It is our great honor and pleasure to invite you to the 13th International Conference on Biomagnetism held in Jena, Germany, from Saturday, August 10, to Wednesday, August 14, 2002.

Biomagnetism is an interdisciplinary field of research with scientists working in biological, physiological, medical, physical, technical and other associated disciplines. Biomagnetic research ranges from basic research to clinical and neuroscience applications. The common denominator of all of these research activities is the analysis of the magnetic field produced by the human body. Because of the totally non-invasive character of the biomagnetic techniques, we believe that the prospective socio-economic impact of this new medical technology is extremely high. We are convinced that the BIOMAG 2002 will substantially contribute to exchange of new ideas and new views in this field.

The conference will take place in Jena, a historical city with a University founded in 1558, a brewery tradition since 1328, and a wine making tradition that has lasted more than 2000 years. At the same, Jena is a very young and lively city with 20,000 students and the second highest density of young (dot.com) start-ups on the stock market in Germany. We feel that this mixture will provide a very stimulating surrounding for the BIOMAG 2002 conference.



Dr. Hannes Nowak  
Conference Co-Chair



Dr. Jens Haueisen  
Conference Chair





# Organizers

## International Advisory Board

Prof. Kazuhiko Atsumi,  
 Prof. David Cohen,  
 Prof. Lüder Deecke,  
 Prof. Sergio Ernè,  
 Prof. Manfred Hoke,  
 Prof. Tovia Katila,  
 Prof. Makoto Kotani,  
 Prof. Gian-Luca Romani,  
 Prof. Shoogo Ueno,  
 Prof. Harold Weinberg,  
 Prof. Samuel J. Williamson,  
 Prof. Chris Wood

## National Advisory Board

Prof. Olaf Dössel,  
 Prof. Hans-Reiner Figulla,  
 Prof. Angela D. Friederici,  
 Prof. Hans-Joachim Freund,  
 Dr. Birgit Hailer,  
 Prof. Hans Eckhardt Hoenig,  
 Prof. Werner Alois Kaiser,  
 Prof. Hans Koch,  
 Prof. Wolfgang H.R. Miltner,  
 Prof. Konrad Reinhart,  
 Prof. Heinrich Sauer,  
 Prof. Hans-Georg Schaible,  
 Prof. Hans-Joachim Seewald,  
 Prof. Paul Seidel,  
 Prof. Hermann Uhlmann,  
 Prof. Cornelius Weiller,  
 Prof. Herbert Witte,  
 Prof. Otto W. Witte,  
 Prof. Ulrich Zwiener

## Scientific Program Committee

Head  
 Dr. Hannes Nowak

Members  
 Prof. John W. Belliveau,  
 Dr. Gabriel Curio,  
 Prof. Ryusuke Kakigi,  
 Dr. Jukka Nenonen,  
 Prof. Yoshio Okada,  
 Prof. Yoshinoro Uchikawa

## Organizing Committee

Head:  
 Dr. Hannes Nowak

Members:  
 Dr. Hartmut Brauer,  
 Dr. Michael Eiselt,  
 Dr. Edeltraut Emmerich,  
 Prof. Sergio Ernè  
 Dr. Roland Fischer,  
 Lars Flemming,  
 Dr. Frank Gießler,  
 Dr. Ralph Huonker,  
 Dr. Thomas R. Knösche,  
 Dr. Uwe Leder,  
 Dr. Burkhardt Maess,  
 Prof. Ceon Ramon,  
 Dr. Timm Rosburg,  
 Dr. Frank Sachse,  
 Dr. Ekkehard Schleichner,  
 Uwe Schulze,  
 Dr. Lutz Trahms,  
 Prof. Jürgen Vieth,  
 Prof. Andreas Voß  
 Dr. Marek Ziolkowski



*Tower of the historic town wall "Pulverturm"*

Our co-organizer is:



Max-Planck-Institute of Cognitive  
 Neuroscience

[www.cns.mpg.de/biomag2002](http://www.cns.mpg.de/biomag2002)



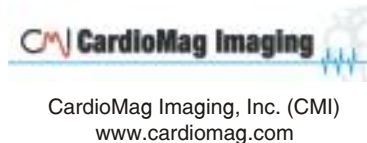
## Industrial Exhibition

An exhibition area will be provided in front of the main lecture halls. Companies are kindly invited to participate in tutorials, sponsored sessions and advertisements. For information please contact Dr. Hannes Nowak.

## Main Collaborators



## Sponsors



### Radiologische Gemeinschaftspraxis Kliner / Granzow Jena



Initial list of sponsors who already committed a contribution to the conference by January 1, 2002. Additional sponsors are welcome.





# Speakers & workshop organizers

## Tentative list of invited speakers

Rabih Chaoui, Berlin, Germany  
 Angela D. Friederici, Leipzig, Germany  
 Ji-Sheng Han, Beijing, China  
 Riitta Hari, Helsinki, Finland  
 Craig Henriquez, Durham, USA  
 Vinzenz Hombach, Ulm, Germany  
 Joseph L. Kirschvink, Pasadena, USA  
 Stefan Kölsch, Boston, USA  
 John C. Mosher, Los Alamos, USA  
 Nobukazo Nakasato, Sendai, Japan  
 Christo Pantev, Toronto, Canada  
 Andrew C. Papanicolaou, Houston, USA  
 Eero Pekkonen, Helsinki, Finland  
 Kazuo Sasaki, Okazaki, Japan  
 Hermann Stephan, Erlangen, Germany  
 Janette Strasburger, Milwaukee, USA  
 Harvey A. Swadlow, Storrs, USA  
 Mari Tervaniemi, Helsinki, Finland  
 Arno Villringer, Berlin, Germany

## Tutorial speakers

Martin Burghoff, Berlin, Germany  
 Bärbel Schack, Jena, Germany  
 Burkhard Maess, Leipzig, Germany

## Workshop and session organizers

John W. Belliveau, Charlestown, USA  
 Jan C. de Munck, Amsterdam, Netherlands  
 Olaf Dössel, Karlsruhe, Germany  
 Roland Fischer, Hamburg, Germany  
 Hilde Huizenga, Amsterdam, Netherlands  
 Risto Ilmoniemi, Helsinki, Finland  
 Thomas R. Knösche, Leipzig, Germany  
 Burkhard Maess, Leipzig, Germany  
 Timm Rosburg, Jena, Germany  
 Frank Sachse, Karlsruhe, Germany  
 Michael Scherg, Munich, Germany  
 Ekkehard SchleuBner, Jena, Germany  
 Werner Weitschies, Greifswald, Germany  
 Herbert Witte, Jena, Germany  
 Frank Zanow, Berlin, Germany

We thank the workshop organizers and the tutorial speakers for their willingness to take the work load to organize and raise funds for their sessions.

# Satellite Symposium

## MEG – a Tool for Research on Language and Music Perception

On Thursday, August 15, this workshop on the application of MEG to specific fields of neuroscience will be held at the Max-Planck-Institute of Cognitive Neuroscience in Leipzig, an important economic and cultural center of Saxony less than 100 km from Jena. We have invited internationally renowned speakers and provide ample space for discussion in order to ensure a lively and fruitful atmosphere. Due to limited space, early registration via the official BIOMAG registration site is recommended. No extra registration fee will be raised.

Organizers: Burkhard Maess, Thomas R. Knösche

### Invited Talks:

- |                            |  |
|----------------------------|--|
| A. Papanicolaou (Houston)  | Contributions of MEG to Neurolinguistics.  |
| A. D. Friederici (Leipzig) | Early MEG effects in processing of language and music structure.                               |
| C. Pantev (Toronto)        | Music and Brain: The competition for cortical space.   |
| M. Tervaniemi (Helsinki)   | About neurocognition of music and speech sounds-evidence from electric and magnetic recordings |
| S. Kölsch (Boston)         | Processing of complex rule-based auditory information in the music domain                      |

For detailed information, please visit our website [www.cns.mpg.de/biomag2002](http://www.cns.mpg.de/biomag2002)



# Scientific Program

Thursday, August 8	Pre-conference tour to Dresden					
Friday, August 9	9.00 - 12.00	Pre-conference tours	MEGIS workshop	ANT workshop "New Horizons of Pain Research: Advanced Analysis of High Density EEG/ERP"		
	13.00 - 18.00					
Saturday, August 10	9.00 - 12.00	Laboratory tours in Jena (IPHT and Biomagnetic Center)				
	9.00 - 13.00	Registration				
		lecture hall HS1	lecture hall HS2			
	13.00 - 13.30	Opening Session				
	13.30 - 14.30	Plenary Lecture				
	14.30 - 14.45	coffee break				
	14.45 - 16.45	Visual and Auditory Systems	Workshop	Workshop "Noninvasive Measurement of Iron"		
	16.45 - 17.00	coffee break				
	17.00 - 19.00	Ischemia and Exercise MCG	Workshop	Workshop "Developments in Multi- Modality Imaging"		
	19.00 - 21.00	Welcome Reception				
Sunday, August 11	8.00 - 9.00	Tutorial 1 "Noise Reduction in Biomagnetic Recordings"		2 <sup>nd</sup> Jena Symposium "Fetal Biomagnetism"		
	9.00 - 10.30	Somatosensory and Motor Systems				fMCG 1
	10.30 - 10.45	coffee break				
	10.45 - 12.45	Cognition and Language Production				fMCG 2
	12.45 - 14.00	lunch break				
	14.00 - 16.00	Cardiac Modeling				fMEG
	16.00 - 16.15	coffee break				
	16.15 - 18.00	Poster 1				Poster fMCG & fMEG
18.00 - 19.00	Board Meeting					
Monday, August 12	8.00 - 9.00	Tutorial 2 "Phase Synchronization"		Workshop "Advanced Methods in Signal Analysis"		
	9.00 - 10.30	Pain	Workshop			
	10.30 - 10.45	coffee break				
	10.45 - 12.45	Clinical Neurology	Workshop			
	12.45 - 14.00	lunch break				
	14.00 - 16.00	Instrumentation	Workshop	Workshop "Transcranial Magnetic Stimulation"		
	16.00 - 16.15	coffee break				
	16.15 - 18.00	Poster 2				
18.00 - 19.00	Business Meeting					
Tuesday, August 13	8.00 - 9.00	Tutorial 3 "Inverse Methods"		Workshop "Forward and Inverse Modeling" in cooperation with the Max-Planck Institute of Cognitive Neuroscience		
	9.00 - 10.30	Experimental Neurology				Workshop
	10.30 - 10.45	coffee break				
	10.45 - 12.45	Clinical MCG				Workshop
	12.45 - 14.00	lunch break				
	14.00 - 16.00	Cortical Oscillations	Workshop	Workshop "Magnetic Methods for Understanding of Oral Drug Delivery"		
	16.00 - 16.15	coffee break				
	16.15 - 18.00	Poster 3				
18.00 - 19.00	Conference Banquet Party at the "Mensa" Philosophenweg					
Wednesday, August 14				Workshop	Workshop "Statistical Issues in the EEG/MEG Inverse Problem"	
	9.00 - 10.30	Psychiatry				
	10.30 - 10.45	coffee break				
	10.45 - 12.45	New Frontiers in Biomagnetism				
	12.45 - 13.15	Closing Session				
	14.15	Bus departure to Berlin				
17.30 - 21.00	Laboratory tour at PTB Berlin					
Thursday, August 15	10.00 - 18.00	Satellite Symposium "MEG - a Tool for Research on Language and Music Perception." at the Max-Planck Institute of Cognitive Neuroscience in Leipzig				





# Post-Conference Laboratory Tour

After the closing ceremony a post-conference laboratory tour to the new Berlin Magnetically Shielded Room will be organized.

## Registration

### Registration (starting January 31)

1. Online registration at our web site is required.
2. Fill in all necessary fields and press the submit button.
3. Your data will be displayed once again in a printable form.
4. Print out this form.
5. Enter your credit card number and expiration date and sign the form.
6. Mail or fax the signed form to the address given on the form.
7. You will receive an email including all the data you entered.
8. You will receive another email after payment is complete.

### On site registration and check in

The registration desk and conference office will be located in the foyer of the conference venue. Please check in upon arrival to obtain your conference materials and name badge which will give you full access to all scientific sessions and the social program. The registration desk will be open from 7:30 a.m. to 5:00 p.m. during the conference. All lecture halls are located in the same building, and it will be easy to switch between parallel sessions. All lecture halls are accessible for disabled people.

## Abstract Guidelines

Abstracts not exceeding 250 words are due on April 1, 2002. Please submit an electronic version of your short abstract on [biomag2002.uni-jena.de](http://biomag2002.uni-jena.de). The electronic version should be either in HTML or MS Word format and will be available on the conference web page.

Each abstract must have at least one author who has registered for Biomag2002 at the time of submission and who will present the paper at the Conference.

### Instructions for writing abstracts:

Please use the font Times New Roman. Please do not place figures or tables in the abstract.

Title: Centered 12 pt bold; separate the title and the list of authors and addresses by 1 line (12 pt)

Authors and addresses: Centered 10 pt; abbreviations may be used to save space; separate the list of authors and addresses and the main text by 1 line (12 pt)

Text: Left and right justified 10 pt; leave an empty line between the main text and the list of references

References (optional): Left and right justified, 10 pt

Abstracts submitted after April 1, 2002 will be considered post-deadline abstracts. Only a few abstracts of exceptional merit will be accepted in this category.





# Proceedings

Proceedings papers up to 3 pages are due on May 20, 2002. Please submit both a paper version and an electronic version of your proceedings paper. The proceedings papers will be printed in the proceedings book, which will be available at the conference.

Please download the sample proceedings paper from our web site ([biomag2002.uni-jena.de](http://biomag2002.uni-jena.de)) and follow the instructions given there.

## Instruction for Presentation

The conference language is English. Each conference room is provided with an overhead projector for transparent films, a slide projector, and a data projector (beamer). For any further requirements, the conference organizer must be contacted by email prior to the conference, and we will then inform you as soon as possible about the options. The organizers will try to honor special scheduling requests, but we cannot guarantee to do so. Requests must be received as early as possible. The time assigned for each paper is 15 minutes (including 3 minutes for discussion). This presentation length does not apply to keynote, plenary or tutorial speakers. Each paper, apart from poster papers, will be presented orally by one of the authors.

A large part of contributed papers will be presented as posters which can be posted as early as Saturday, August 10. The posters are thereafter on display daily. The scheduled poster sessions conflict with no other programs and are guided. Therefore, the presenting author should prepare an oral summary of the poster that lasts no more than three minutes. The poster measurements should be approximately A0 format (85 cm wide by 120 cm high).



*University's main building*





## Conference Fee

### Registration fees

	Early <i>June 1, 2002</i>	Late <i>July 31, 2002</i>	Onsite
<i>before</i>			
Participant	EUR 325	EUR 400	EUR 450
Student	EUR 200	EUR 300	EUR 325
Accompanying person	EUR 100	EUR 100	EUR 100

Students are required to provide a letter signed by the head of the Institute/Department confirming their status as a student.

### The conference fee includes:

Admission to all scientific sessions  
 Final program booklet and proceedings book  
 Welcome reception on Saturday, August 10  
 Conference banquet party on Tuesday, August 13  
 Satellite Symposium in Leipzig

## Payment

Payment can be made by credit card (Eurocard, VISA, or Mastercard using the printed registration form) or by bank transfer. Unfortunately, we cannot accept checks. On-site registration is possible (cash in Euro or by credit cards). All payments should be made in Euro.

Please make bank transfers to:

recipient Friedrich-Schiller-University Jena  
 IBAN DE 20830200870357602904  
 BIC HYVEDEMM463  
 account # 357602904  
 bank code # 83020087  
 bank Hypovereinsbank Jena  
 Purpose 729321, BIOMAG2002

You will receive a receipt confirming payment of the registration fee via email.

## Cancellation

The conference organizer should be notified of cancellations by a signed letter sent to us before August 1, 2002. A refund of 50% of the fee will be made, minus bank costs incurred for the money transfer. No refund is possible after August 1, 2002.

## Letter of Invitation

We will be pleased to send you a letter of invitation upon request. Such an invitation is intended to help potential participants in raising travel funds or obtaining a visa. It is not, however, a commitment of any part of the conference or of any organizer to provide any financial support. Please send your request to [biomag2002@uni-jena.de](mailto:biomag2002@uni-jena.de).





## Conference Venue

The congress will take place in the lecture hall building at Friedrich-Schiller University in Jena, which is located in the city center. It is easily accessible by the local tram system (lines 2,5, and 35, Stop "Ernst-Abbe-Platz"). The conference hotel (Steigenberger Esplanade) is about 150 m away.



*Shopping Mall "Goethe Galerie" and conference venue*



The address of the congress venue is:  
 Carl-Zeiss-Str. 3  
 D-07743 Jena

The conference venue is located in a pedestrian zone in the middle of the city. A large number of restaurants, take-away food services, a student cafeteria, and a student dining hall are within two minutes walking distance of the convention center.

## Young investigators award

Young investigators, i.e., researchers not older than 35, are invited to take part in the young investigators competition. One abstract (250 words, deadline April 1) and one proceedings paper (3 pages, deadline May 20) must be submitted using the regular abstract form. The winners will receive prizes up to 1000 Euro.

## Accommodation

The conference Hotel is the Steigenberger Esplanade\*\*\*\* Hotel. The Hotel is located in the city center of Jena about 150 m away from the conference venue. This Hotel offers reduced rates (single room EUR 85,- and double room EUR 100,-) for conference participants. When booking (also possible via internet), please use the group code "BIOMAG" to receive the reduced rate. The reduced rate is only available until July 10, 2002.

The second conference Hotel is the Steigenberger Maxx\*\*\* Hotel. The Hotel is located in Jena-Lobeda. Tram lines 4/5 and 35 go from the Hotel to the conference venue (it takes about 20 minutes). The tram ticket is included in the room charge. This Hotel offers reduced rates (single standard room EUR 36,- and double standard room EUR 46,-; single superior room EUR 49,- and double superior room EUR 62,-) for conference participants. When booking (also possible via internet), please use the group code "BIOMAG" to receive the reduced rate. The reduced rate is only available until July 10, 2002.

Other hotels and accommodation can be found at the Tourist-Information Jena (see below).





# Local Information

## Jena and Surroundings

Jena, with its 100,000 inhabitants, is the largest town in the Saale valley. Situated in Thüringen, the 'Green Heart of Germany', it is famous for its beautiful landscape, rich nature, and its cultural history. Modern Jena is an important scientific and industrial center with a long tradition in development and production of high-precision instruments.

## Climate and Geographic Conditions

Jena is situated in the middle of the Saale valley in east Thüringen, 150 m above sea level. Limestone rocks surround the city. Extensive forest areas and steep slopes of the limestone hills invite for hiking and other recreational activities. Many botanical and geological features, including 40 species of orchids, attract those interested in natural history. In August the mean day temperature is between 20 – 28 °C (68 - 80 °F). Evening temperatures are lower. Climate conditions are variable but on average dry with occasional rain and thunderstorms.

## Tourist-Information Jena

The following printed material is available upon request from Tourist-Information Jena:

- Accommodation & events
- Goethe and Schiller in Jena
- Cycling through the region
- Backpacking through the region
- Discovering Jena on foot
- Tourist map

## Official travel agency

Our official travel agency is JenaTours AG.  
 Please contact:

Walter A. Eckert  
 JENATOURS AG  
 Teichgraben 5  
 07743 Jena, Germany  
 Tel: +49-3641-590624  
 Fax: +49-3641-590626  
 e-mail: info@thueringer-besucher-service.de

## Opening hours:

Mon to Fri 9.00 a.m. to 6.00 p.m.  
 Sat 9.00 a.m. to 2.00 p.m.

Contact: **Tourist-Information Jena**  
 Postfach 100338  
 D – 07703 Jena  
 Tel.: +49-3641-806 400  
 Fax: +49-3641-806 409  
 Internet: [www.jena.de](http://www.jena.de)  
 e-mail: [tourist-info@jena.de](mailto:tourist-info@jena.de)

## Visa

Please check with your nearest German Embassy if a Visa is required.



*"Hanfried": statue of Johann Friedrich the Magnanimous, founder of the Alma mater Jenensis*





## Local Information

### **Museums and events (selection):**

#### ***Cospeda – 1806 memorial***

Exhibition documenting the Battle of Jena-Auerstedt as well as the run-up to hostilities, in which Napoleon defeated the Prussian troops

#### ***Schiller´s Garden House***

Schiller´s only residence still preserved in Jena, where in the "classical" decade 1789-1799 he produced his foremost works

#### ***Goethe Memorial with Botanical Gardens***

The former Inspector´s House in the gardens laid out at Goethe´s instigation in 1825/26; two rooms documenting Goethe´s activities in Jena

#### ***Jenaer Theaterhaus GmbH***

Young innovative ensemble which performs experimental theater in the Gropius building merely comprising the original stage area

#### ***Zeiss Planetarium***

The world´s oldest large planetarium, yet now fitted with the latest equipment; Jena´s most popular cultural institution; wide range of different shows and events

#### ***Optical Museum***

Reflects Jena´s long history of optics associated with the names like Carl Zeiss, Ernst Abbe and Otto Schott

#### ***Mineralogical Collection***

Collection mostly devoted to local minerals but also including meteorites and tektites; founded over 200 years ago; its development was considerably influenced by Goethe

#### ***Ernst Haeckel House***

Known as "Villa Meduza"; former residence of Ernst Haeckel; houses various scientific institutes of the university; eight exhibition rooms on the life and works of the zoologist

#### ***Phyletic Museum***

Museum of the theory of evolution

#### ***Kulturarena***

Annual six-week non-stop open-air festival of world music held annually since 1992 in the summer holidays in front of the theater, also including film movie shows, children´s events and theater

#### ***Imaginata***

Experimental forum which aims to make various physical phenomena perceptible by means of performances, workshops, theater, art productions, experimentation stations etc.





# Social Program / Conference Tours

## 2 days tour to Dresden - the center of German Baroque architecture

As a city of art and culture Dresden is rich in magnificent sights - such as the well-known baroque Zwinger, the Frauenkirche and the Semper Opera. In the center it offers a unique blend of stunning architecture dating back into the Renaissance, the baroque period but also the 19th century. Most of the historic buildings house now world-famous art collections and are home of the traditional cultivation of music and fine arts. Besides this the city of Dresden is beautifully situated in the valley of the river Elbe, which is famous for its great natural beauty and for its wonderful palaces, villas, and vineyards.

### 1st Day

Departure from Jena by bus at 8.00 am.

After the arrival in Dresden at about 10.00 am a sightseeing-tour by bus gives a general impression of the city and is followed by a guided walk into the yard of the Zwinger and to the Theaterplatz to have a close look onto the famous historic buildings there.

Afterwards the bus takes you to the Hotel Ibis, which is located in the heart of the city, for check in and lunch. After lunch there is a guided walking tour booked in the Semper Opera, which is one of the most renowned opera houses in the world named after its architect Gottfried Semper. It was built in the late 19th century in the style of the High Renaissance.

In the early afternoon you leave the center by bus for Pillnitz Castle and Park. A guided tour will be offered, which will make you feel turned back into the 18th century, into the times of the building owner king "August the Strong" when Far-Eastern elegance was fashionable. The attractions are the palace buildings with their easternly styled roofs and decorations, an extensive park with a Dutch and a Chinese Garden, an English as well as Chinese Pavilion, an orangery and a conservatory. The Park is also famous for its botanical variety, especially for the camellia, which is more than 200 years old.

A historic steam boat takes you back into the center of Dresden and you can relax and enjoy the beauty of the countryside. You will have an excellent view onto the castles, villas and palaces along the bank of the river and as well we will pass the famous bridge called "Blue Wonder".

You reach Dresden after an hour.

Dinner takes place in the vaults of the traditional restaurant "Sophienkeller", where the waiters are dressed in the costumes of the 18th century.

### 2nd Day

After breakfast and check out there will be spare time to visit one of the famous museums, e.g. the Old Masters Painting Gallery or one of Europe's greatest treasures - the Green Vault, or to take a stroll through the center on your own. Lunch will take place in the city center and afterwards you depart for Meißen. Meißen is famous all over the world for its china. The manufacture of porcelain in Meißen has a long tradition going back into the early 18th century. But Meißen is also the cradle of Saxony -

the town is more than 1000 years old. The Albrechtsburg, a remarkable Renaissance castle, was the residence of the margraves of Meißen. Next to it is the Dom, which was build between the 13th and 15th century. For some centuries it has been the burial-place of the dynasty of Wettin which ruled over Saxony from the 12th to the early 20th century. Meißen is also beautiful for the picturesque city center, most of it dates back to the Renaissance.

First you a visit to the porcelain manufactory to see how the china is produced, formed and decorated. Later in the afternoon you will visit the center of Meißen.

In the evening the bus takes you back to Jena.

Per person double room : EUR 320.00 (single room : EUR 360.00)

## Weimar - a day of classic

The bus will bring you to Weimar, the European City of Culture in 1999. Our guide will show you the historical center in a two hours walking tour. During the tour you will visit Goethe's and Schiller's house and Goethe's National Museum on the Frauenplan square. After the lunch at the Hotel Elephant you will have an sightseeing tour in the Residenzschloß. In your free time in the afternoon you can walk to Goethe's Garden House in the 60-hectar landscape park on the river Ilm or you can try a delicious "Thüringer Bratwurst" - a special sausage roasted on a charcoal grill. The Bus will take you back to Jena.

Per person : EUR 110.00

## Castles and wine tour

In the morning you will visit the Dornburg Palaces with their wonderful rose gardens situated high above the River Saale on one of the Muschelkalk tiers characteristic for this area. Goethe came to Dornburg more than twenty times altogether and lived in the middle palace. You follow the river Saale to the historical town of Naumburg with its famous Cathedral of St. Peter and Paul. After a lunch break you pass the vineyards on the way to Freyburg/Unstrut. This is the most northern wine - growing region in Europe. There you visit the old castle Neuenburg with its Romanesque chapel. Finally, you will see how champagne and wine is produced on a winery tour at the famous Rotkäppchen winery (including wine tasting). The bus will bring you back to Jena.

Per person EUR 120.00

## Castles and beer tour

You will start the day with a sightseeing tour on the medieval castle Leuchtenburg in Kahla. This castle give you not only an impression on the medieval live of the knights but also a magnificent view on the country side south of Jena. Not far away - in Rudolstadt you visit the castle Heidecksburg, the residence of the Dukes of Schwarzburg - Rudolstadt. There you will see an outstanding collection of historical weapons. After a lunch break the bus will take you trough the Schwarzatal Valley to Bad Blankenburg and the village Watzdorf. In the small traditional German brewery you will see how real German beer is produced (including tasting, of course). The bus will bring you back to Jena.

Per person : EUR 120.00

All tours include all transportation in a luxury bus, all tour entrance fees (including wine/beer tasting) and a English speaking tour guide. The one day tours include lunch, the 2 day tour 2 times lunch, one dinner and Hotel. All tours require booking in advance. Tours will be operated when a minimum of 20 persons will book. The tours are limited to 40 persons per tour.

All tours are PRE conference tours offered on August 9th (1 day tours) and on August 8th and 9th (2 day tour). POST conference tours will be offered at the conference site according to above terms by our travel agency JenaTours.

Please note that the tour program might change due to technical reasons.

Individual tours (including those for accompanying persons) are also offered by our travel agency JenaTours at the conference site. Guided walking city tours in Jena for accompanying persons are offered throughout the conference.

Please contact:

WalterA. Eckert  
 JENATOURS AG  
 Teichgraben 5  
 07743Jena, Germany

Tel: +49-3641-590624  
 Fax: +49-3641-590626

e-mail: info@thueringer-besucher-service.de





# Thuringia Visitor Service

## About us

Jenatours AG is a medium-sized company specialized in the travel business. Located in Jena, it was founded by Harald F. G. Scheiding in 1990 as the first private travel agency in Thuringia. Under the roof of "Jenatours AG" we offer you all services involving traveling; for individuals as well as groups. We also provide complete solutions for your business trips.

## Our worldwide services include:

- Booking of hotels and apartments
- Group tours, packages and individual trips
- Assistance with pre- and post-convention services
- Flights, car rentals, motor homes, air and boat charters
- Tickets for train, bus, ferry, events (sport, music), charter and scheduled flights
- Assistance with VISA and travel insurances

## Your advantages:

Flexibility, optimized processes and highly qualified consultants.

Our team serves you with more than 20 motivated employees who would be happy to assist you.

## Thüringer Besucher Service (Thuringia Visitor Service)

We are specialized in high-end traveling in Thuringia. Enjoy Gothic architecture in famous cities in the morning and the taste of Renaissance for lunch with Thuringian food. Discover Classicism in Weimar and not only there, and Baroque in old castles in the afternoon.



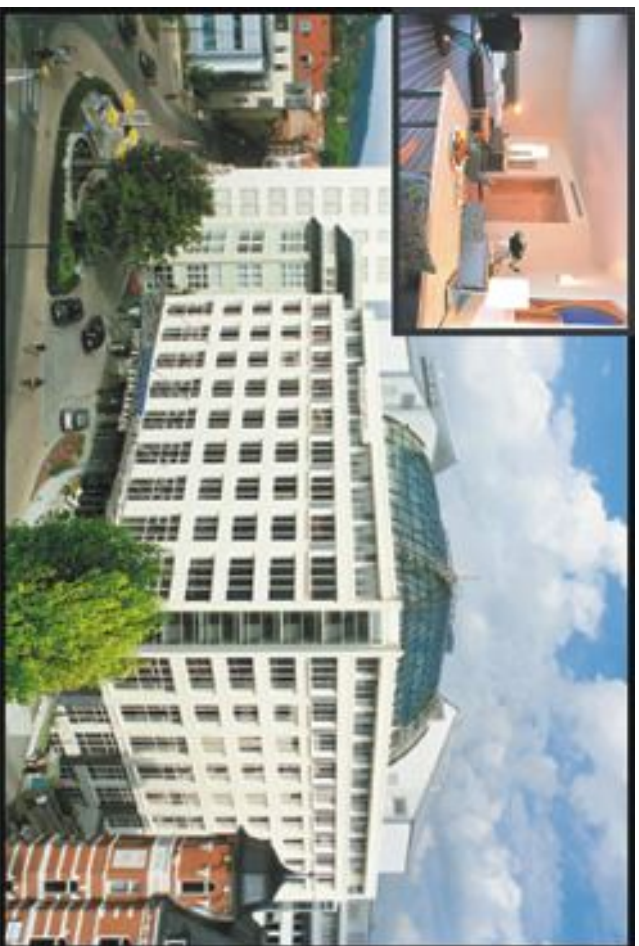


# STEIGENBERGER HOTELS & RESORTS

hotels in cooperation with the

## „BIOMAG 2002 - 13th International Conference on Biomagnetism“

August 10 – 14, 2002 / Jena



The conference Hotel is the **Steigenberger Esplanade Jena**. The Hotel is located in the city center of Jena about 150 m away from the conference venue. This Hotel offers reduced rates for conference participants. The reduced rate is only available until July 10, 2002.

### Steigenberger Esplanade Jena

Carl-Zeiss-Platz 4  
07743 Jena  
Germany

#### room rates

##### **standard room**

*single-room:* 85,00  
*double-room:* 100,00  
(incl. buffet breakfast)

##### **comfort room**

*single-room:* 105,00  
*double-room:* 120,00  
(incl. buffet breakfast)

**Telephone:**

+49 / (0)3641 / 8000

**Facsimile:**

+49 / (0)36 41 / 800 150

**e-Mail:**

jena@steigenberger.de

**Internet:**

www.jena.steigenberger.com

**booking-keyword:** »BIOMAG«



The second conference Hotel is the **Steigenberger Maxx Hotel Jena**. The Hotel is located in Jena-Lobeda. Tram lines 4/5 and 35 go from the Hotel to the conference venue (it takes about 20 minutes). The tram ticket is included in the room charge. The reduced rate is only available until July 10, 2002.

### Steigenberger Maxx Hotel Jena

Stauffenbergstraße 59  
07747 Jena  
Germany

#### room rates

##### **superior room**

*single-room:* 49,00  
*double-room:* 62,00  
(incl. buffet breakfast)

##### **standard room**

*single-room:* 36,00  
*double-room:* 46,00  
(incl. croissant breakfast / without daily cleaning)

**Telephone:**

+49 / (0)3641 / 3000

**Facsimile:**

+49 / (0)3641 / 300 888

**e-Mail:**

jena@maxx-hotels.de

**Internet:**

www.jena.maxx-hotels.com

**booking-keyword:** »BIOMAG«